

1            **In the Claims**

2            Claims 10-12 are amended.

3            Claims 1-25 remain in the application and are listed below:

5            1. (Previously Presented) A method comprising:

6            receiving a command from a decoder application at an application program  
7            interface (API), wherein the API is configured to facilitate the use of a plurality of  
8            different multimedia accelerators with the decoder application; and

9            generating one or more filter control command data structures, recognizable  
10           by a communicatively coupled accelerator including one or more parameters  
11           which, when received by the accelerator, affects one or more filter settings of the  
12           accelerator based, at least in part, on the content of the received command.

14            2. (Original) A method according to claim 1, further comprising:

15            passing the generated filter control command data structures to the  
16           accelerator, wherein the accelerator modifies one or more filter settings in  
17           accordance with the parameters embedded within the data structure.

19            3. (Original) A method according to claim 1, wherein the filter is a post-  
20           processing filter.

22            4. (Original) A method according to claim 3, wherein output data  
23           subsequent to the application of a post-processing filter are used as prediction  
24           references for decoding subsequent data.

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2       5. (Previously Presented) A method according to claim 3, wherein the  
3 post-processing filter is one or more of a deblocking filter and a de-ringing filter.  
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6       6. (Original) A method according to claim 1, wherein the parameters  
7 include a strength parameter.  
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10       7. (Original) A method according to claim 6, wherein the generated data  
11 structure includes a strength parameter for each of one or more block boundaries  
12 of a frame.  
13

14       8. (Original) A method according to claim 1, wherein the API issues  
15 filter control commands for each of a number of edges of luminance and  
16 chrominance blocks of received media content.  
17

18       9. (Original) A method according to claim 1, wherein the API issues  
19 macroblock filter control command data structures for each macroblock of video  
20 picture content, each macroblock filter control command comprising four (4) or  
21 sixteen (16) luminance block filter control command data structures for controlling  
22 the filtering of the luminance blocks of the macroblock, and/or two (2), four (4),  
23 eight (8), sixteen (16), or thirty-two (32) chrominance block filter control  
24 command data structures for controlling the filtering of the chrominance blocks of  
25 the macroblock.  
26

1        10. (Currently Amended) One or more computer-readable storage media  
2 having computer-readable instructions stored thereon which, when executed by a  
3 computer, implement a method according to claim 1.

4  
5        11. (Currently Amended) A system comprising:  
6            one or more computer-readable media; and  
7            computer-readable instructions on the one or more computer-readable  
8 storage media which, when executed by one or more processors, implement a  
9 method according to claim 1.

10  
11        12. (Currently Amended) One or more computer-readable storage  
12 media having computer-readable instructions stored thereon which, when executed  
13 by a computer, implement an application program interface (API) to dynamically  
14 generate one or more filter control command data structures in response to a  
15 command received from a decoder application, wherein the one or more filter  
16 control command data structure(s) include one or more parameters which, when  
17 received by a communicatively coupled accelerator, effect one or more filter  
18 settings on the accelerator in accordance with the received command, wherein the  
19 API is not specific to any particular multimedia application and/or multimedia  
20 accelerator.

21  
22        13. (Original) A storage medium according to claim 12, wherein the  
23 filter control command data structure(s) effect one or more post processing  
24 filter(s) of the accelerator.

1        14. (Previously Presented) A storage medium according to claim 12,  
2        wherein the filter control command data structure(s) effect one or more of a  
3        deblocking filter(s), de-ringing filter(s), and/or another post processing filter of the  
4        accelerator.

5  
6        15. (Original) A storage medium according to claim 12, wherein the  
7        API issues a filter control command data structure for each of a number of edges  
8        of luminance and chrominance blocks of received media content.

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10       16. (Original) A storage medium according to claim 15, wherein the  
11       API issues four (4) filter control command data structures for each luminance  
12       block, and/or two (2) filter control command data structure(s) for each  
13       chrominance block.

14  
15       17. (Original) A storage medium according to claim 12, wherein the  
16       parameter(s) include a filter strength parameter.

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18       18. (Previously Presented) A computing system comprising:  
19       a decoder application to process received media content; and  
20       an operating system including an application program interface (API),  
21       support the media processing, wherein the API generates one or more filter control  
22       commands including one or more parameters which, when received by a  
23       communicatively coupled media processing accelerator, effect one or more filter  
24       settings of the accelerator in accordance with a command received from the  
25       decoder, wherein the decoder application is configured to iteratively issue

1 configuration commands reflecting various alternative degrees and methods of  
2 decoding acceleration capability until choosing one that is acceptable to both the  
3 decoder application and the accelerator.

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5 19. (Original) A computing system according to claim 18, further  
6 comprising:

7 one or more media processing accelerator(s), communicatively coupled to  
8 the decoder application via the API, including one or more filter(s) responsive to  
9 the filter control command data structures reflecting information received in the  
10 command from the decoder.

11

12 20. (Original) A computing system according to claim 19, wherein the  
13 filter(s) are post processing filters.

14

15 21. (Previously Presented) A computing system according to claim 19,  
16 wherein the filter(s) include one or more of a deblocking filter and de-ringing  
17 filter.

1           22. (Original) A computing system according to claim 18, wherein the  
2 API issues macroblock filter control command data structures for each macroblock  
3 of video picture content, each macroblock filter control command comprising four  
4 (4) or sixteen (16) luminance block filter control command data structures for  
5 controlling the filtering of the luminance blocks of the macroblock, and/or two (2),  
6 four (4), eight (8), sixteen (16) or thirty-two (32) chrominance block filter control  
7 command data structures for controlling the filtering of the chrominance blocks of  
8 the macroblock.

9  
10           23. (Original) A computing system according to claim 18, wherein the  
11 filter control command data structures include a strength parameter to control an  
12 amount of filter applied by a receiving filter.

13  
14           24. (Original) A computing system according to claim 18, further  
15 comprising:

16           a storage medium having stored therein a plurality of executable  
17 instructions; and

18           an execution unit, coupled to the storage medium, to execute at least a  
19 subset of the plurality of executable instructions to implement the operating  
20 system and associated API.

21  
22           25. (Original) A computing system according to claim 24, wherein the  
23 execution unit executes at least a subset of the plurality of executable instructions  
24 to implement the decoder application.